ELSEVIER

Fuel Processing Technology 50 (1997) 297–298

FUEL PROCESSING TECHNOLOGY

Contents of Volume 50 (1997)

Vol. 50, No. 1

Pyrolysis of Egyptian Maghara pulverized coal particles
S.M.A. Ibrahim (Cairo, Egypt) 1

Chemical cleaning of Turkish lignites by leaching with aqueous hydrogen peroxide
H. Karaca and K. Ceylan (Malatya, Turkey) 19

Regeneration of a Pt–Sn/Al_2O_3 catalyst: influence of heating rate, temperature and time of regeneration
J.C. Afonso, D.A.G. Aranda, M. Schmal (Rio de Janeiro, Brazil) and R. Frety (Villeurbanne, France) 35

Surface analysis of catalysts used in co-processing of coal and waste materials
J.Y. Kim, P.J. Reucroft (Lexington, KY, USA), V.R. Pradhan and A.G. Comelli (Princeton, NJ, USA) 49

Role of carboxyl groups in the disintegration of brown coal briquettes by water sorption
J.-i. Ozaki, Y. Nishiyama (Sendai, Japan), P.J. Guy, G.J. Perry (Morwell, Vic., Australia) and D.J. Allardice (Mulgrave, Vic., Australia) 57

Surface characterisation of mineral matter in an Australian bituminous coal (Whybrow seam, NSW) using X-ray photoelectron spectroscopy and laser ionisation mass analysis
B. Gong, P.J. Pigram, R.N. Lamb and C.R. Ward (Sydney, Australia). 69

Characterization of naphtha and carbon black obtained by vacuum pyrolysis of polyisoprene rubber
C. Roy, H. Darmstadt, B. Benallal and C. Amen-Chen (Québec, Canada) 87

Short Communication

Silica fines from included quartz in pulverized-coal combustion
H.M. Ten Brink, S. Eenkhoorn and G. Hamburg (Petten, The Netherlands) 105

Vol. 50, Nos. 2,3

Properties and structure of hard coals from a borehole Niedobczyce IG-1 in the Rybnik Coal District, Upper Silesian Coal Basin, their petrographic and group constituents. 3. Changes in the chemical structure of primary tars with increase in coalification degree of the parent coals
A. Matuszewska, A. John (Sosnowiec, Poland) and S. Jasieńko (Wrocław, Poland). 117

Electroreduction of pretreated low temperature coal tar fraction in dimethylformamide–EtOH–H_2O–tetra-*n*-butylammonium bromide system
W. Zhizhong, L. Xuguang and Z. Dongmei (Taiyuan, Shanxi, PR China) 131

The nature of the synergistic effect of binary tetralin–alcohol solvents in Kansk-Achinsk brown coal liquefaction
P.N. Kuznetsov (Krasnoyarsk, Russia), J. Bimer, P.D. Salbut (Warszawa, Poland), E.D. Korniyets, L.I. Kuznetsova (Krasnoyarsk, Russia) and C.E. Snape (Glasgow, UK) 139

In situ regeneration of the thermal stabilizer benzyl alcohol via ethanol in simulated jet fuels above 400°C
L. Selvaraj, J.B. Stallman, C. Song and M.M. Coleman (University Park, PA, USA) 153

Elsevier Science B.V.

Synthesis of methanol and isobutanol from syngas over ZrO_2-based catalysts
Y. Cai, Y. Niu and Z. Chen (Taiyuan Shaxi, People's Republic of China) 163
Desulfurization of southeastern Anatolian asphaltites by the Meyers method
C. Hamamci, F. Kahraman and M.Z. Düz (Diyarbakir, Turkey) 171
Co-coking of coal with pitches and waste plastics
G. Collin (Frankfurt am Main, Germany), B. Bujnowska (Wrocław, Poland) and J. Polaczek (Warsaw, Poland) 179
Maceral and microlithotype response to oil agglomeration for selected eastern Kentucky high volatile A bituminous coals
J.C. Hower (Lexington, KY, USA), K.W. Kuehn (Bowling Green, KY, USA), B.K. Parekh and W.M. Andrews Jr. (Lexington, KY, USA) 185
Review of processes for downhole catalytic upgrading of heavy crude oil
J.G. Weissman (Beacon, NY, USA) 199
Model for predicting catalytic and non-catalytic liquefaction of coal
Y. Yan, Z. Ren and T. Li (Shanghai, China) 215
Chlorination kinetics of pyrite mineral in two Turkish lignites
S. Karaca, Y. Kadioğlu, S. Bayrakçeken (Erzurum, Turkey) and M.Ş. Gülaboğlu (Lexington, KY, USA) 225
Relationship between properties and conversions of North Bohemian coals during coal/oil coprocessing
J. Černý, I. Sýkorová, D. Maxa, Z. Weishauptová, G. Šebor and J. Blažek (Prague, Czech Republic) 235
Preparation of active carbons from coal. Part II. Carbonisation of oxidised coal
J.J. Pis, M. Mahamud, J.B. Parra, J.A. Pajares (Oviedo, Spain) and R.C. Bansal (Chandigarh, India) 249
C_2^+ selectivity enhancement in oxidative coupling of methane over microwave-irradiated catalysts
G. Roussy, E. Marchal, J.M. Thiebaut (Vandoeuvre, France), A. Kiennemann and G. Maire (Strasbourg, France) 261
Simulation of partial oxidation of natural gas to synthesis gas using ASPEN PLUS
M. Khoshnoodi (Zahedan, Iran) and Y.S. Lim (Kuala Lumpur, Malaysia) 275

Announcement 289

Author Index Vol. 50 293

Subject Index Vol. 50 295

Contents of Vol. 50 297